## Abstract

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The present invention is directed toward a method for inhibiting COX-2 in an organism. In particular, the method is preferably directed toward selectively inhibiting COX-2 in an organism. The method comprises administering to the organism an organic extract isolated from a plant wherein such extract inhibits COX-2. A method to purify a composition that exhibits COX-2 inhibition and COX-2 selective inhibition from the organic extract is also provided. In addition, a method for treating and/or preventing COX-2 mediated inflammation or inflammation-associated disorders in an organism is provided.